

FIG. 1

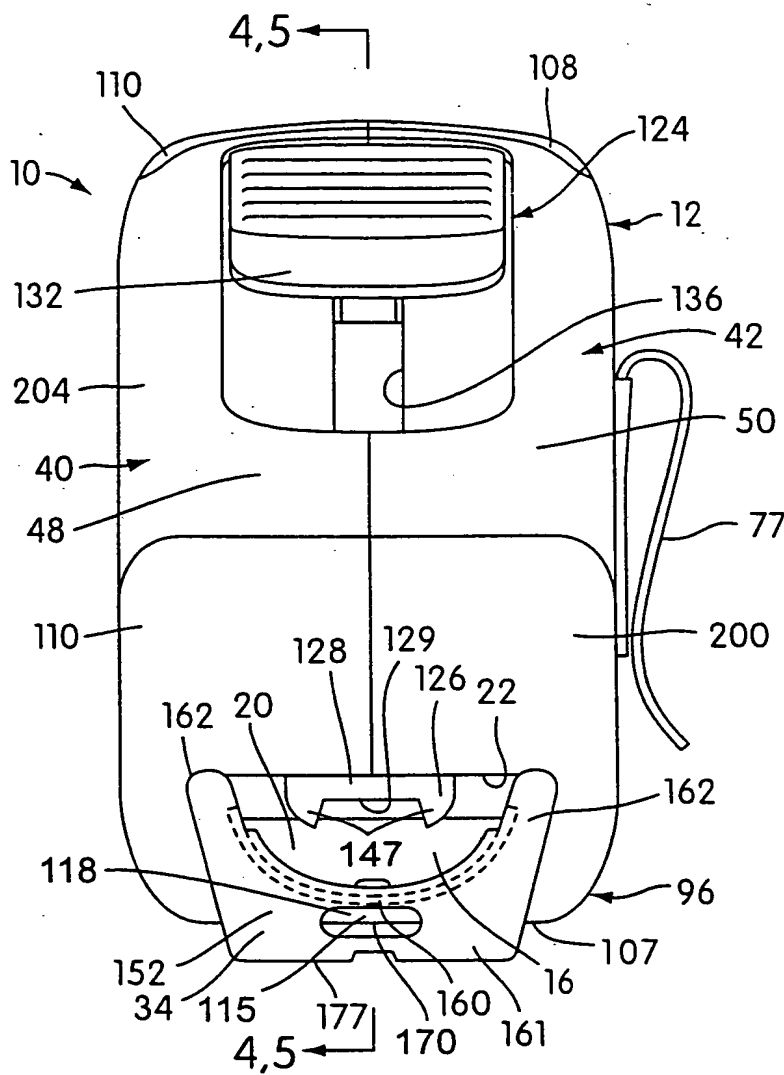


FIG. 2

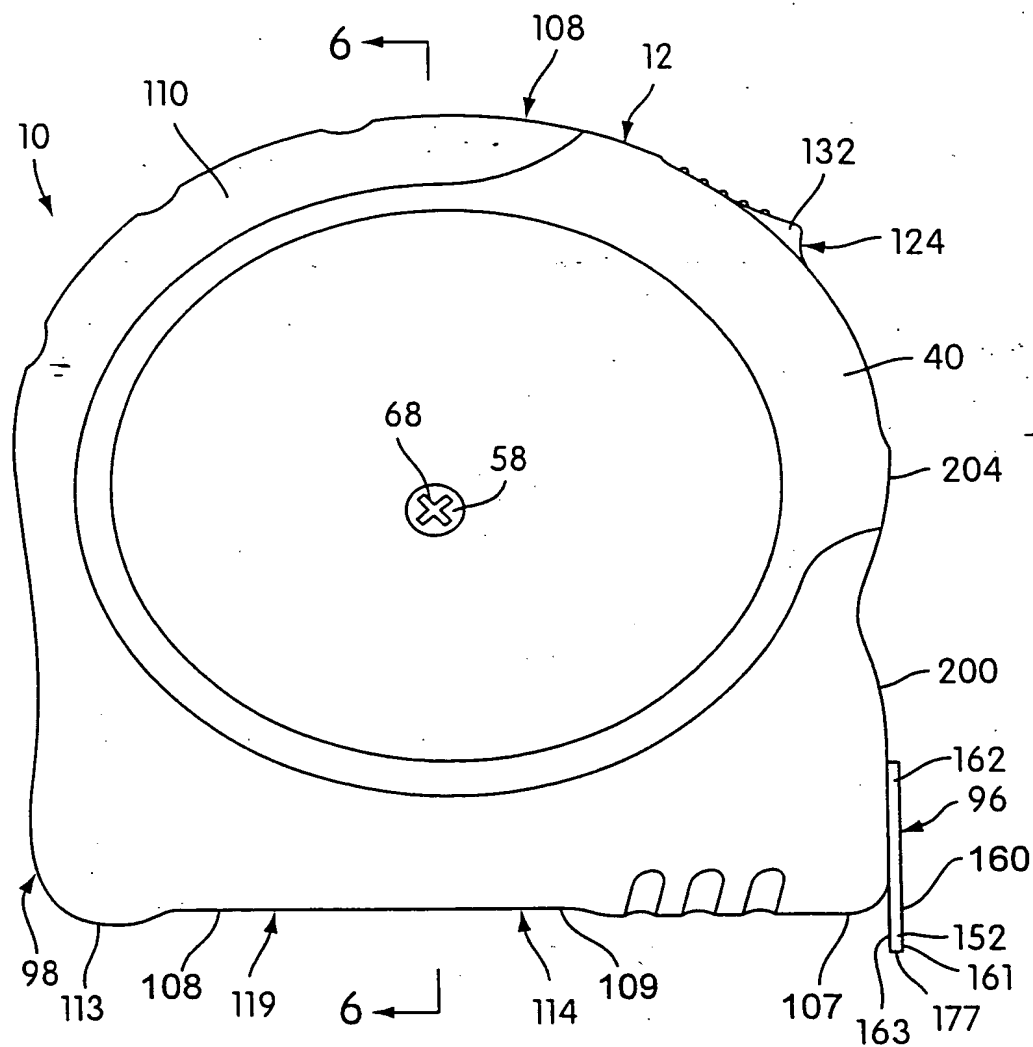


FIG. 3

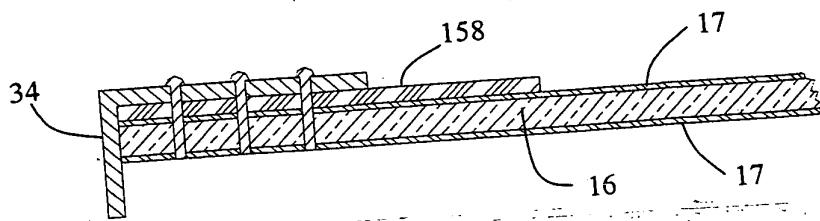


FIG. 5a

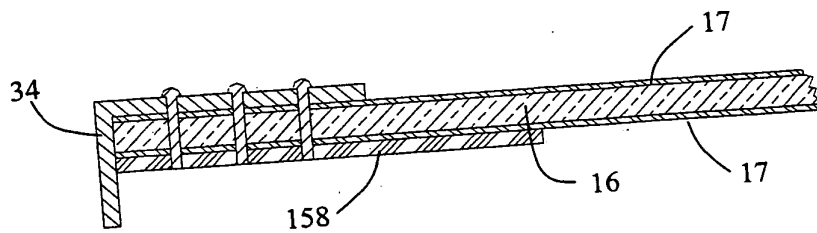


FIG. 5b

FIG. 5a

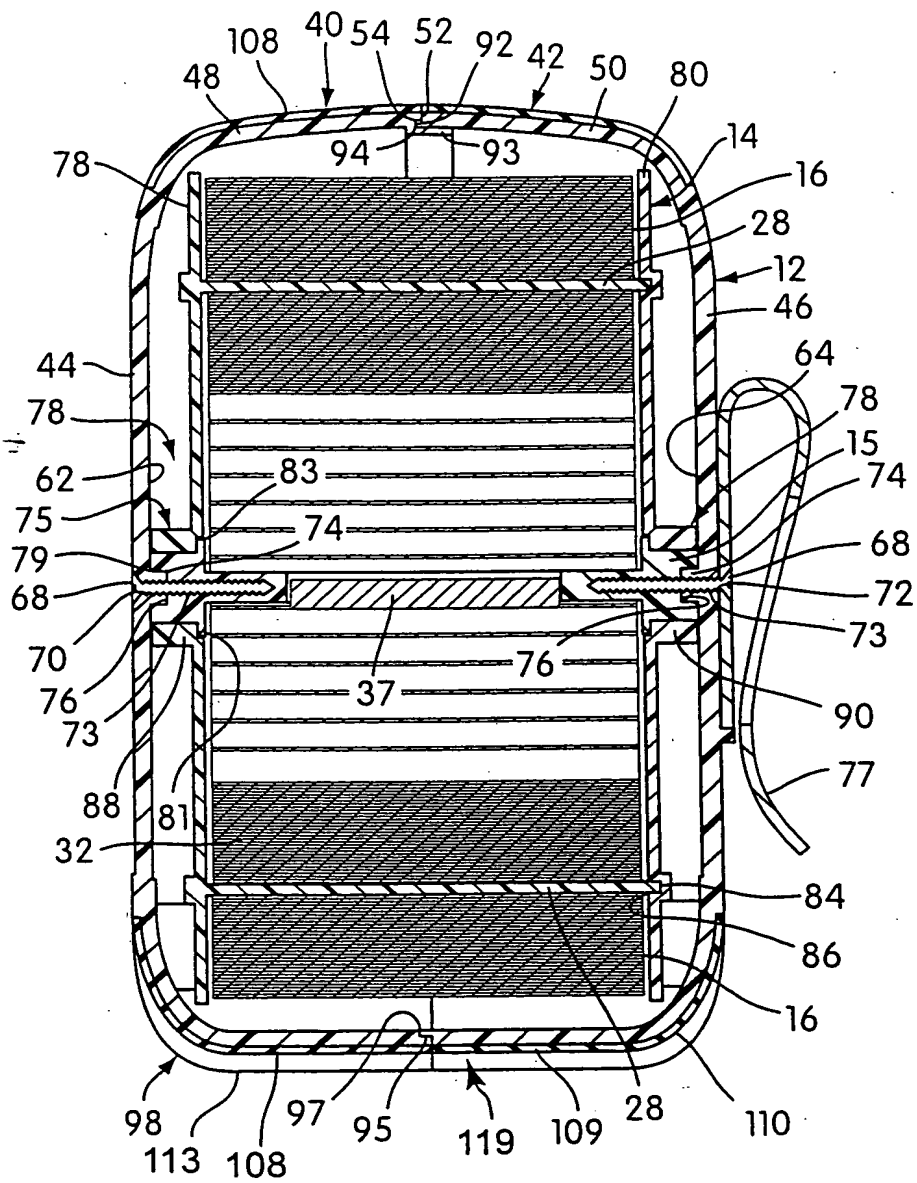
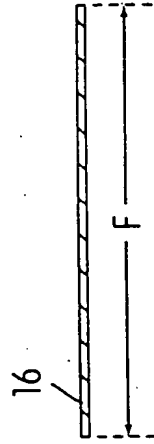
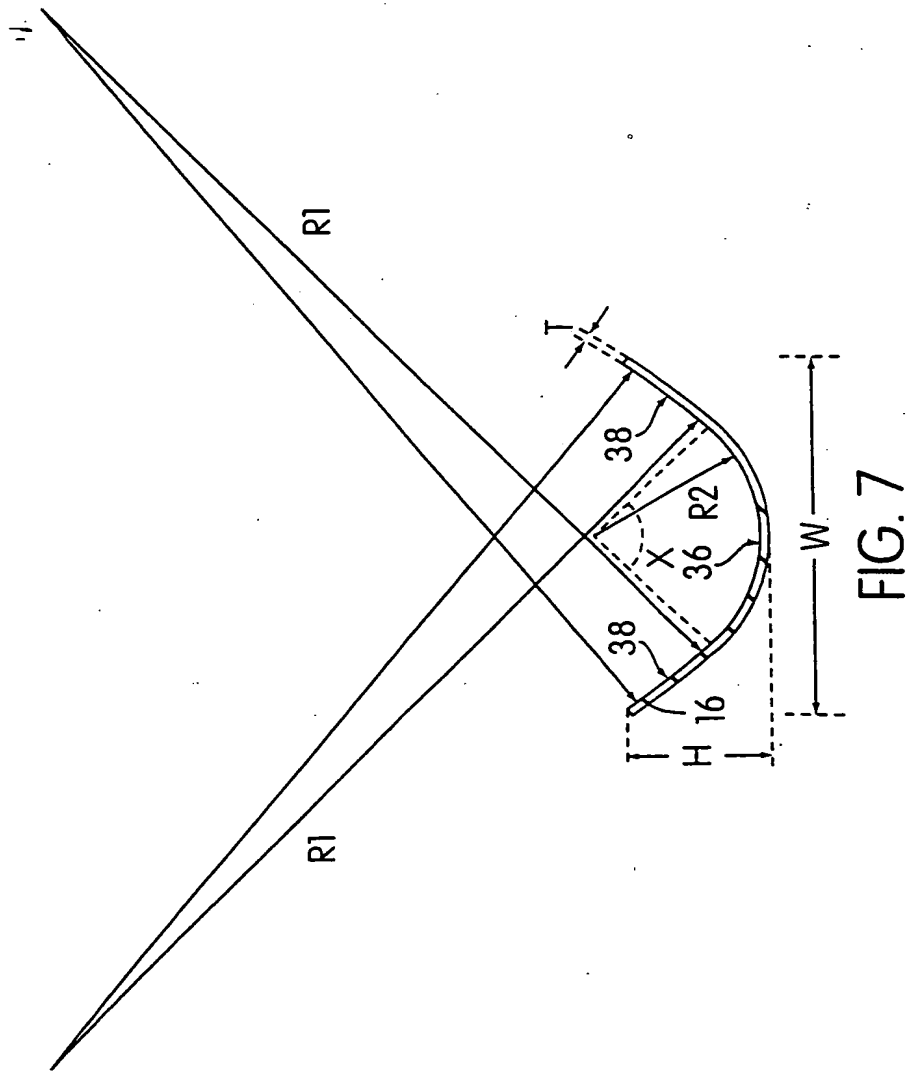


FIG. 6

FIG. 8



| *BLADE / SPRING WIDTH (IN) | | *BLADE / SPRING THICKNESS (IN) | "ARCULATE" LENGTH-OUT "C" (IN / FT) (RANGE +/- 6 (IN)) | ***LINEAR LENGTH-OUT "B" (IN) (RANGE +/- 3%) | TO ACHIEVE FULL BLADE EXTENSION "A" (IN) (RANGE +/- 3%) | PERCENT LINEAR TO ARCULATE LENGTH-OUT | **** MAXIMUM TAPE RULE ROTATION ANGLE "D" AT FULL EXTENSION (DEGREES) |
|-------------------------------|--|-----------------------------------|---|---|---|--|--|
| 1.000 / 0.875 | | 0.0045 / 0.0051 | 84 / 7 FT | 79 | 23 | 94% | >45 |
| 1.000 / 0.875 | | 0.0051 / 0.0056 | 84 / 7 FT | 80 | 22 | 95% | >45 |
| 1.000 / 0.875 | | 0.0051 / 0.0056 | 96 / 8 FT | 86 | 40 | 90% | >45 |
| 1.000 / 0.875 | | 0.0056 / 0.0060 | 84 / 7 FT | 81 | 18 | 96% | >45 |
| 1.000 / 0.875 | | 0.0056 / 0.0060 | 96 / 8 FT | 91 | 31 | 95% | =/<35 |
| 1.000 / 0.875 | | 0.0056 / 0.0060 | 108 / 9 FT | 93 | 53 | 86% | =/<25 |
| 1.250 / 1.250 | | 0.0051 / 0.0051 | 84 / 7 FT | 83 | 5 | 99% | >45 |
| 1.250 / 1.250 | | 0.0051 / 0.0051 | 96 / 8 FT | 95 | 8 | 99% | >45 |
| 1.250 / 1.250 | | 0.0051 / 0.0051 | 108 / 9 FT | 107 | 17 | 99% | >45 |
| 1.250 / 1.250 | | 0.0051 / 0.0051 | 120 / 10 FT | 119 | 30 | 99% | >45 |
| 1.250 / 1.250 | | 0.0051 / 0.0051 | 132 / 11 FT | 129 | 38 | 98% | >45 |

PRIOR ART

* BLADE WIDTH MEASURED IN FLAT FORM OR ARCULATE PERIMETER OF THE CROSS SECTION

** RAW STEEL THICKNESS WITHOUT COATING(S)

*** ACTUAL UTILITY OF TAPE BLADE STANDOUT

**** ROTATION ANGLE REQUIRED WHEN MEASURING VERTICAL POINTS ABOVE HORIZONTAL PLANE OF BLADE TIP

FIG. 9

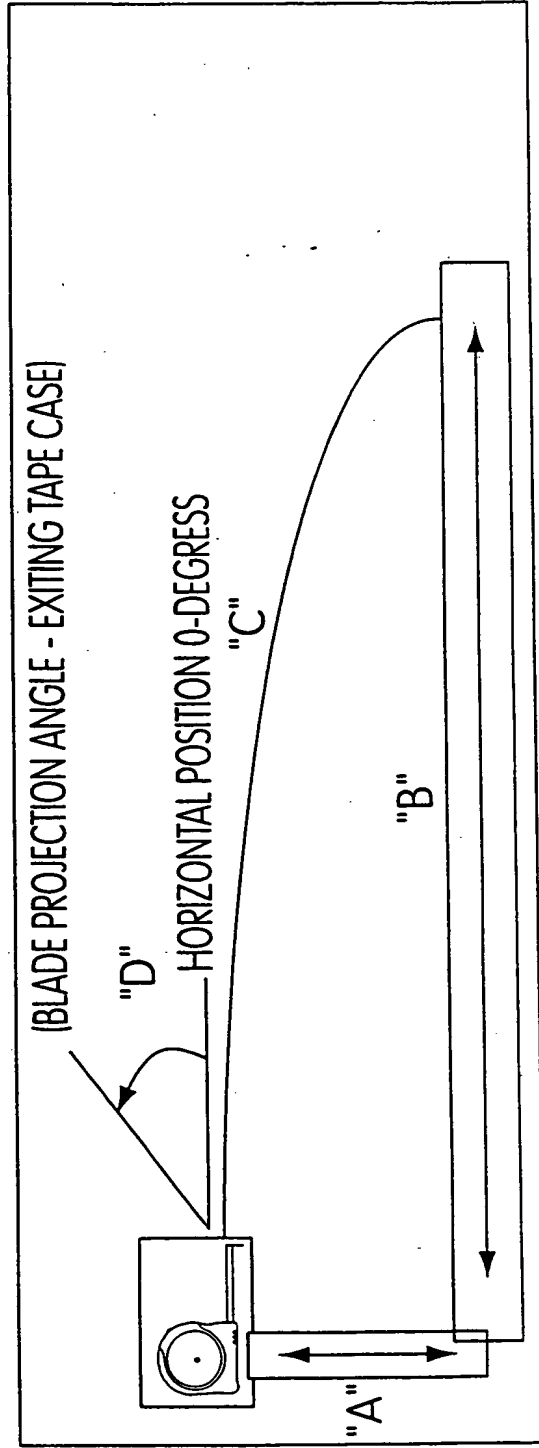


FIG. 10

TOP OF "5562466"

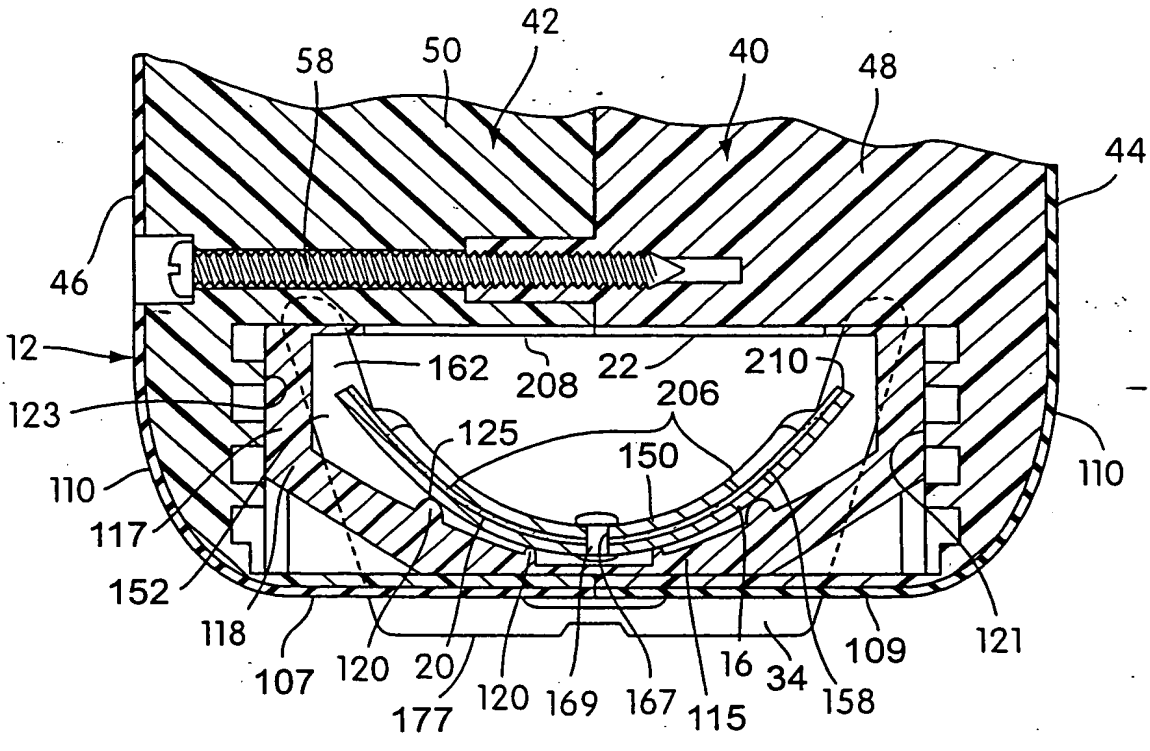


FIG. 11